

# Recombinant Human IgG Fc Control Protein

Cat. No. IgG-02H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human IgG Fc Control Protein was expressed in HEK293 Cells and purified using protein A-agarose.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Recombinant fusion proteins consisting of the extracellular domain of immunoregulatory proteins and the constant (Fc) domain of immunoglobulin G (IgG) represent a growing class of human therapeutics. Chimeric protein of Human target protein and Human IgG-Fc domain can be purified using protein A chromatography.
<b>Predicted MolecularMass</b>	~ 55 kDa
<b>Formulation</b>	50g of recombinant protein in 50μof 1X PBS, 20%(v/v) glycerol. Frozen solution.
<b>Concentration</b>	1 mg/mL
<b>Purity</b>	Greater than 90% by SDS-PAGE and Coomassie blue staining. Western blotting by primary antibody Mouse anti-Human IgG, clone HP6017, Fc and secondary antibody Goat anti-Mouse IgG, HRP conjugate
<b>Storage</b>	Best stored at -80°C for up to 6 months after date of receipt. Thawed aliquots should be used immediately, as repeated freeze/thaw cycles might result in loss of activity.

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## Background

### Introduction

Immunoglobulin G (IgG) is an antibody isotype. It is a protein complex composed of four peptide chains — two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. Each IgG has two antigen binding sites. Representing approximately 75% of serum immunoglobulins in humans, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells.

### Keywords

IgG Fc; IgG Fc(Human); Recombinant Human IgG Fc

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